

Title (en)

ARRAY SOURCE LINE (AVSS) CONTROLLED HIGH VOLTAGE REGULATION FOR PROGRAMMING FLASH OR EE ARRAY

Title (de)

ÜBER EINE ARRAY-SOURCELEITUNG GESTEUERTE HOCHSPANNUNGSREGULIERUNG ZUR PROGRAMMIERUNG EINES FLASH- ODER EE-ARRAYS

Title (fr)

REGULATION HAUTE TENSION COMMANDEE PAR UNE LIGNE D'ALIMENTATION DE MATRICE (AVSS) POUR PROGRAMMATION D'UNE MATRICE DE MEMOIRE FLASH OU EE

Publication

EP 1964126 A4 20091111 (EN)

Application

EP 06839989 A 20061121

Priority

- US 2006061173 W 20061121
- US 28508905 A 20051121

Abstract (en)

[origin: US2007115728A1] A method for programming a Flash memory array comprises coupling at least one of a current source and a potential source to at least one selected bitline of a Flash memory array, monitoring a potential V_{AVSS}of an array VSS line by means of a comparator, allowing the array VSS line to electrically float until the potential V_{AVSS}is approximately equal to a reference potential V_{ref}, and terminating the programming by de-coupling at least one of the current source and the potential source.

IPC 8 full level

G11C 16/12 (2006.01); **G11C 16/34** (2006.01)

CPC (source: EP KR US)

G11C 16/04 (2013.01 - KR); **G11C 16/12** (2013.01 - EP KR US); **G11C 16/14** (2013.01 - EP US); **G11C 16/30** (2013.01 - KR); **G11C 16/34** (2013.01 - KR); **G11C 16/344** (2013.01 - EP US); **G11C 16/3454** (2013.01 - EP US); **G11C 16/3477** (2013.01 - EP US); **G11C 16/3486** (2013.01 - EP US); **G11C 16/0433** (2013.01 - EP US)

Citation (search report)

- [X] US 6141253 A 20001031 - LIN CHIN-HIS [TW]
- [PA] US 2006114721 A1 20060601 - FRULIO MASSIMILIANO [IT], et al
- [A] US 6570787 B1 20030527 - WANG ZHIGANG [US], et al
- [A] US 6865110 B1 20050308 - PARK JAE-KWAN [KR]
- See references of WO 2007062378A2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

US 2007115728 A1 20070524; **US 7339832 B2 20080304**; CN 101461009 A 20090617; EP 1964126 A2 20080903; EP 1964126 A4 20091111; JP 2009521775 A 20090604; KR 20080077216 A 20080821; TW 200737202 A 20071001; US 2008106949 A1 20080508; US 7460411 B2 20081202; WO 2007062378 A2 20070531; WO 2007062378 A3 20090122

DOCDB simple family (application)

US 28508905 A 20051121; CN 200680043551 A 20061121; EP 06839989 A 20061121; JP 2008541511 A 20061121; KR 20087015075 A 20080620; TW 95142387 A 20061116; US 2006061173 W 20061121; US 97159708 A 20080109